

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/579,802  
Source: IFWP  
Date Processed by STIC: 5/26/06

***ENTERED***



IFWP

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION:** US/10/579,802

**DATE:** 05/26/2006  
**TIME:** 08:05:58

**Input Set :** A:\PTO.RJ.txt  
**Output Set:** N:\CRF4\05262006\J579802.raw

3 <110> APPLICANT: Keio University  
 5 <120> TITLE OF INVENTION: PROTEIN FORMING COMPLEX WITH c-Jun PROTEIN, NUCLEIC ACID  
 ENCODING THE  
 6 SAME AND METHOD OF USING THE SAME  
 8 <130> FILE REFERENCE: P595-C4285  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/579,802  
 C--> 10 <141> CURRENT FILING DATE: 2006-05-18  
 10 <150> PRIOR APPLICATION NUMBER: JP 2003-389676  
 11 <151> PRIOR FILING DATE: 2003-11-19  
 13 <160> NUMBER OF SEQ ID NOS: 299  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 102  
 17 <212> TYPE: PRT  
 18 <213> ORGANISM: Mus musculus  
 20 <400> SEQUENCE: 1  
 21 Met Leu Ser Arg Leu Gln Glu Leu Arg Lys Glu Glu Glu Thr Leu Leu  
 22 1 5 10 15  
 23 Arg Leu Lys Ala Ala Leu His Asp Gln Leu Asn Arg Leu Lys Val Glu  
 24 20 25 30  
 25 Glu Leu Ala Leu Gln Ser Met Ile Asn Ser Arg Gly Arg Thr Glu Thr  
 26 35 40 45  
 27 Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu Cys Asp Met Ser Leu His  
 28 50 55 60  
 29 Val Asp Asn Glu Val Thr Ile Asn Gln Thr Thr Leu Lys Leu Ser Thr  
 30 65 70 75 80  
 31 Arg Ser Pro Met Glu  
 32 85 90 95  
 33 Glu Glu Glu Ser Asp Ser  
 34 100  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 86  
 38 <212> TYPE: PRT  
 39 <213> ORGANISM: Mus musculus  
 41 <400> SEQUENCE: 2  
 42 Val Glu Gly Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu  
 43 1 5 10 15  
 44 Gln Glu Leu Arg Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala  
 45 20 25 30  
 46 Leu His Asp Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln  
 47 35 40 45  
 48 Ser Val Ile Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro  
 49 50 55 60  
 50 Ala Pro Glu Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val  
 51 65 70 75 80

P, b

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Input Set : A:\PTO.RJ.txt

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52 Thr Ile Asn Gln Thr Thr  
53 85  
55 <210> SEQ ID NO: 3  
56 <211> LENGTH: 84  
57 <212> TYPE: PRT  
58 <213> ORGANISM: Mus musculus  
60 <400> SEQUENCE: 3  
61 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu  
62 1 5 10 15  
63 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp  
64 20 25 30  
65 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile  
66 35 40 45  
67 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu  
68 50 55 60  
69 Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val Thr Ile Asn  
70 65 70 75 80  
71 Gln Thr Thr Leu  
74 <210> SEQ ID NO: 4  
75 <211> LENGTH: 83  
76 <212> TYPE: PRT  
77 <213> ORGANISM: Mus musculus  
79 <400> SEQUENCE: 4  
80 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu  
81 1 5 10 15  
82 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp  
83 20 25 30  
84 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile  
85 35 40 45  
86 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu  
87 50 55 60  
88 Gln Leu Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn  
89 65 70 75 80  
90 Gln Lys Leu  
93 <210> SEQ ID NO: 5  
94 <211> LENGTH: 83  
95 <212> TYPE: PRT  
96 <213> ORGANISM: Mus musculus  
98 <400> SEQUENCE: 5  
99 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu  
100 1 5 10 15  
101 Arg Lys Glu Glu Glu Thr Gln Leu His Leu Lys Ala Ala Leu His Asp  
102 20 25 30  
103 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile  
104 35 40 45  
105 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu  
106 50 55 60  
107 Gln Leu Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn  
108 65 70 75 80

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Input Set : A:\PTO.RJ.txt  
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109 Gln Lys Leu  
112 <210> SEQ ID NO: 6  
113 <211> LENGTH: 83  
114 <212> TYPE: PRT  
115 <213> ORGANISM: Mus musculus  
117 <400> SEQUENCE: 6  
118 Ser Ala Leu Arg Lys Trp Lys Gly Val Leu Ser Arg Leu Gln Glu Leu  
119 1 5 10 15  
120 Arg Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp  
121 20 25 30  
122 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile  
123 35 40 45  
124 Asn Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu  
125 50 55 60  
126 Gln Leu Cys Asp Met Ser Leu His Val Asp His Glu Val Thr Ile Asn  
127 65 70 75 80  
128 Gln Ser Lys  
131 <210> SEQ ID NO: 7  
132 <211> LENGTH: 65  
133 <212> TYPE: PRT  
134 <213> ORGANISM: Mus musculus  
136 <400> SEQUENCE: 7  
137 Ser Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu  
138 1 5 10 15  
139 Arg Lys Glu Glu Glu Thr Gln Leu Arg Leu Lys Ala Ala Leu His Asp  
140 20 25 30  
141 Gln Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile  
142 35 40 45  
143 Asn Ser Arg Arg Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu  
144 50 55 60  
145 Ser  
146 65  
148 <210> SEQ ID NO: 8  
149 <211> LENGTH: 75  
150 <212> TYPE: PRT  
151 <213> ORGANISM: Mus musculus  
153 <400> SEQUENCE: 8  
154 Ala Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg  
155 1 5 10 15  
156 Lys Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln  
157 20 25 30  
158 Leu Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn  
159 35 40 45  
160 Ser Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln  
161 50 55 60  
162 Leu Cys Asp Met Ser Leu His Val Asp Asn Glu  
163 65 70 75  
165 <210> SEQ ID NO: 9  
166 <211> LENGTH: 95

## RAW SEQUENCE LISTING

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Input Set : A:\PTO.RJ.txt

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167 <212> TYPE: PRT  
168 <213> ORGANISM: Mus musculus  
170 <400> SEQUENCE: 9  
171 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys  
172 1 5 10 15  
173 Glu Glu Glu Thr Leu Leu Arg Gln Lys Ala Ala Leu His Asp Gln Leu  
174 20 25 30  
175 Asn Arg Leu Lys Val Glu Glu Leu Pro Leu Gln Ser Met Ile Asn Ser  
176 35 40 45  
177 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu  
178 50 55 60  
179 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr  
180 65 70 75 80  
181 Thr Leu Lys Leu Ser Thr Arg Ser Pro Met Glu Glu Lys Glu Glu  
182 85 90 95  
184 <210> SEQ ID NO: 10  
185 <211> LENGTH: 82  
186 <212> TYPE: PRT  
187 <213> ORGANISM: Mus musculus  
189 <400> SEQUENCE: 10  
190 Pro Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys  
191 1 5 10 15  
192 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
193 20 25 30  
194 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
195 35 40 45  
196 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu  
197 50 55 60  
198 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr  
199 65 70 75 80  
200 Thr Arg  
203 <210> SEQ ID NO: 11  
204 <211> LENGTH: 82  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Mus musculus  
208 <400> SEQUENCE: 11  
209 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys  
210 1 5 10 15  
211 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
212 20 25 30  
213 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
214 35 40 45  
215 Arg Gly Arg Thr Glu Thr Leu Ser Phe Gln Pro Ala Pro Glu Gln Leu  
216 50 55 60  
217 Cys Asp Met Ser Leu His Val Asp Asn Glu Val Thr Ile Asn Gln Thr  
218 65 70 75 80  
219 Thr Arg  
222 <210> SEQ ID NO: 12  
223 <211> LENGTH: 61

## RAW SEQUENCE LISTING

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TIME: 08:05:58

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05262006\J579802.raw

224 <212> TYPE: PRT  
225 <213> ORGANISM: Mus musculus  
227 <400> SEQUENCE: 12  
228 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys  
229 1 5 10 15  
230 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
231 20 25 30  
232 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
233 35 40 45  
234 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Arg  
235 50 55 60  
237 <210> SEQ ID NO: 13  
238 <211> LENGTH: 53  
239 <212> TYPE: PRT  
240 <213> ORGANISM: Mus musculus  
242 <400> SEQUENCE: 13  
243 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Arg Glu Leu Arg Lys  
244 1 5 10 15  
245 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
246 20 25 30  
247 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
248 35 40 45  
249 Arg Gly Arg Thr Glu  
250 50  
252 <210> SEQ ID NO: 14  
253 <211> LENGTH: 51  
254 <212> TYPE: PRT  
255 <213> ORGANISM: Mus musculus  
257 <400> SEQUENCE: 14  
258 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Gly Leu Arg Lys  
259 1 5 10 15  
260 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
261 20 25 30  
262 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
263 35 40 45  
264 Arg Gly Lys  
265 50  
267 <210> SEQ ID NO: 15  
268 <211> LENGTH: 86  
269 <212> TYPE: PRT  
270 <213> ORGANISM: Mus musculus  
272 <400> SEQUENCE: 15  
273 Leu Arg Lys Trp Lys Gly Met Leu Ser Arg Leu Gln Glu Leu Arg Lys  
274 1 5 10 15  
275 Glu Glu Glu Thr Leu Leu Arg Leu Lys Ala Ala Leu His Asp Gln Leu  
276 20 25 30  
277 Asn Arg Leu Lys Val Glu Glu Leu Ala Leu Gln Ser Met Ile Asn Ser  
278 35 40 45  
279 Arg Gly Arg Thr Glu Thr Leu Ser Ser Gln Pro Ala Pro Glu Gln Leu

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 05/26/2006  
PATENT APPLICATION: US/10/579,802                   TIME: 08:05:59

Input Set : A:\PTO.RJ.txt  
Output Set: N:\CRF4\05262006\J579802.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:98; Xaa Pos. 57  
Seq#:228; N Pos. 172  
Seq#:264; N Pos. 24,25,26,27,28,29,30,31,32

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/579,802

DATE: 05/26/2006

TIME: 08:05:59

Input Set : A:\PTO.RJ.txt

Output Set: N:\CRF4\05262006\J579802.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:1918 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:98  
L:1918 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:48  
L:4439 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:228  
L:4439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:228 after pos.:120  
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:264 after pos.:0